

ORNAMENTAL HAIRPIECE AND METHOD FOR MANUFACTURING THE  
SAME

BACKGROUND OF THE INVENTION

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Field of the Invention

The present invention relates to an ornamental hairpiece for ornamental and aesthetic purposes, which is attached to human hair or animal fur such as that of a pet dog, and a method for manufacturing the same, thereby creating an inventive hair style without directly dyeing or perming the human hair or the animal fur.

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Description of the Related Art

Generally, in order to ornament human hair or animal fur such as that of a pet dog (hereafter, commonly referred to as "hair") for aesthetic purposes without directly dyeing or perming the hair, a style of the human hair is changed by using wigs or directly transplanting hair.

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Most wigs are entire wigs applied to the overall head. In case a user wears wig, an adhesive strength between the wig and the user's scalp is reduced, thereby causing the user to move unnaturally and feel nervous that the wig may be detached from the scalp due to a strong wind or in a crowded area.

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Further, a direct hair transplantation method is a surgical treatment, which is performed on persons having severe alopecia or baldness, thus being inapplicable for aesthetic purposes.

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As another method, human hair, for example, forged hair (i.e., wig) similar to human real hair, is connected to user's real hair by means of silicon or attached to the user's real hair using a metal ring.

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In case that a wig is connected to the user's real hair by means of an adhesive made of silicon, it takes a comparatively long period of time to connect the wig to the user's real hair. Further, since silicon has a weak thermal resistance, when the user's real hair provided with the wig connected thereto comes into contact with hot water or heat from a hair dryer, the wig is easily detached from the user's real hair. Moreover, in some cases, when silicon is hardened by heat of approximately 200°C, the user's real hair is damaged by the heat.

On the other hand, in case that a wig is connected to the user's real hair by the metal ring, the connection between the wig and the user's real hair is easily achieved within a short period of time. However, when a user sleeps or lies on his/her back side, the metal ring presses a user's scalp, thereby causing the user to feel a pain. Further, the metal ring is easily exposed to the outside, thereby causing a bad appearance.

5 Although the above description relates to human hair, a wig, which is connected to animal fur such as that of a dog, has the same problems.

## SUMMARY OF THE INVENTION

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Therefore, the present invention has been made in view of the above problems, and it is an object of the present invention to provide an ornamental hairpiece, which allows a user to easily create an inventive hair style without directly dyeing or perming, and a method for manufacturing the same.

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It is another object of the present invention to provide an ornamental hairpiece, which is easily and firmly attached to user's real hair, and a method for manufacturing the same.

20 It is yet another object of the present invention to provide an ornamental hairpiece, which is naturally connected to user's real hair so that the ornamental hairpiece is indistinguishable from the user's real hair, and is not easily damaged by washing or drying so that the ornamental hairpiece is used for a long period of time, and a method for manufacturing the same.

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In accordance with one aspect of the present invention, the above and other objects can be accomplished by the provision of an ornamental hairpiece connected to human real hair or animal real fur, comprising: a wig unit in which a plurality of strands made of one or more materials selected from the group consisting of human real hair, artificial hair, animal real fur and artificial fur are arranged neatly; and a connection unit for connecting the wig unit to the user's real hair, wherein the connection unit is a designated position of an upper end of the wig unit, cohered by adhesive means, and includes a main body provided with a real hair reception hole formed at a central area, and real hair connection loops, to which the real hair is tied, inserted into the real hair reception hole. Preferably, the artificial hair and fur may be made of a synthetic resin such as nylon or, a fabric.

Further, preferably, a body fixation thread may be wound on an outer circumference of the main body located on an upper portion of the wig unit. Moreover, preferably, the real hair connection loops may be formed on the main body and made of a part of the body fixation thread. The real hair connection loops, to which the real hair is tied, are inserted into the real hair reception hole of the main body, thereby firmly fixing the wig unit to the user's real hair without exposure of a connection part therebetween to the outside.

In accordance with another aspect of the present invention, there is provided a method for manufacturing an ornamental hairpiece connected to human real hair or animal real fur, comprising the steps of: (a) cutting off upper ends of a wig unit including a plurality of strands made of one or more materials selected from the group consisting of human real hair, artificial hair, animal real fur and artificial fur, which are arranged neatly, so that the strands have the same upper line; (b) inserting a body formation pipe into a central area of an upper portion of the wig unit so that the strands uniformly surround an outer circumference of the body formation pipe; (c) thinly applying an adhesive on a designated position of the wig unit surrounding the outer circumference of the body formation pipe so that the strands are attached to each other; (d) hardening the adhesive, and densely winding a body fixation thread on the position of the wig unit surrounding the outer circumference of the body formation pipe so that the strands are firmly fixed; (e) forming real hair connection loops on an upper surface of the wig unit, and removing the body formation pipe from the wig unit so that a real hair reception hole is formed through the wig unit; and (f) thinly applying the adhesive on an outer circumference of the body fixation thread wound on the wig unit, and hardening the adhesive.

## 25 BRIEF DESCRIPTION OF THE DRAWINGS

The above and other objects, features and other advantages of the present invention will be more clearly understood from the following detailed description taken in conjunction with the accompanying drawings, in which:

30 Fig. 1 is a perspective view of an ornamental hairpiece in accordance with an embodiment of the present invention;

Fig. 2 is a perspective view of the ornamental hairpiece, in which a body formation pipe is integrated with an inner side of a main body, in accordance with the

present invention;

Fig. 3 is a perspective view of an ornamental hairpiece, in which a connection unit includes two real hair connection loops, in accordance with another embodiment of the present invention;

5 Fig. 4 is a perspective view illustrating a process for manufacturing an ornamental hairpiece in accordance with the present invention;

Fig. 5A is a perspective view of the ornamental hairpiece, in which a real hair is tied to a real hair connection loop and an end of the real hair tied to the loop is inserted into a real hair reception hole, in accordance with the present invention; and

10 Fig. 5B is a perspective view of the ornamental hairpiece, which is completely connected to the real hair, in accordance with the present invention.

#### DESCRIPTION OF THE PREFERRED EMBODIMENTS

15 Now, preferred embodiments of the present invention will be described in detail with reference to the annexed drawings.

Figs. 1 to 5 illustrate an ornamental hairpiece in accordance with the present invention. More specifically, Fig. 1 is a perspective view of the ornamental hairpiece in accordance with one embodiment of the present invention, Fig. 2 is a perspective view of 20 the ornamental hairpiece, in which a body formation pipe is integrated with an inner side of a main body, Fig. 3 is a perspective view of an ornamental hairpiece, in which a connection unit includes two real hair connection loops in accordance with another embodiment of the present invention, Fig. 4 is a perspective view illustrating a process for manufacturing the ornamental hairpiece, Fig. 5A is a perspective view of the ornamental hairpiece, in which a real hair is tied to a real hair connection loop and an end of the real hair tied to the loop is inserted into a real hair reception hole, and Fig. 5B is a perspective view of the ornamental hairpiece, which is completely connected to the real hair.

25 With reference to Figs. 1 and 2, the ornamental hairpiece 1 of the present invention comprises a wig unit 2 and a connection unit 3. The wig unit 2 includes a plurality of strands made of one material selected from the group consisting of artificial hair (in case of human) made of a synthetic resin such as nylon or a fabric, artificial fur (in case of animal), their correspondents, human real hair and animal real fur (hereinafter, commonly referred to "real hair"). Preferably, the wig unit 2 includes 10 to 80 strands of the selected one or more

materials from the group consisting of human real hair, artificial hair, animal real fur and artificial fur.

Although the above number of the strands of the material of the wig unit 2 has been disclosed for exemplary purpose, those skilled in the art will appreciate that the number of the strands of the material of the wig unit does not limit the scope and spirit of the invention as disclosed in the accompanying claims. Further, if necessary, the material of the wig unit 2 may be dyed or permed prior to attachment to the user's real hair.

An upper portion of the wig unit 2 is the connection unit 3 connected to the user's real hair. The connection unit 3 includes a main body 4 (with reference to Fig. 5) provided with a real hair reception hole 7 formed at a central area, into which several strands of the user's real hair are inserted, and a real hair connection loop 5.

Generally, the main body 4 has a cylindrical shape. However, the main body 4 may have the shape of a polygonal pipe. Further, the main body 4 includes an adhesive 9, or an adhesive 9 and a thread 6 (with reference to Fig. 4). The main body 4 is formed by inserting a body formation pipe 8 made of a soft rubber pipe into the real hair reception hole 7, arranging the wig unit 2 on the circumference of the body formation pipe 8, and forming a shape of the wig unit 2 using the adhesive 9 and/or the thread 6. In a preferred embodiment of the present invention, after the formation of the main body 4, the body formation pipe 8 is detached from the main body 4.

The connection unit 3 serves to fixedly connect the wig unit 2, in which a plurality of the strands of the material are arranged in parallel, to the user's real hair. Although the number of the real hair connection loops 5 is two as shown in Fig. 3, the number of the real hair connection loops 5 may be three or more. The real hair connection loops 5 are made of a soft rubber or a fabric. In the preferred embodiment of the present invention, the real hair connection loops 5 are extended from the thread 6 (in Fig. 4) for fixing the main body 4.

With reference to Fig. 4, the main body 4, which is firmly fixed by the body fixation thread 6 wound thereon, has the cylindrical shape having an outer diameter of 2mm to 4mm and a length of 5mm to 10mm, and the real hair reception hole 7 is formed through the central area of the main body 4. As shown in Figs. 5A ad 5B, the real hair tied to the real hair connection loop 5 is inserted into the real hair reception hole 7, thereby firmly connecting the real hair to the wig unit 2 without exposure of a connection portion

therebetween to the outside.

The body fixation thread 6 may be made of material the same as or different from that of the wig unit 2. Further, the material of the body fixation thread 6 may be the same color as or different from that of the wig unit 2.

As shown in Fig. 2, the body formation pipe 8 is inserted into a central portion of the main body 4, and then integrally fixed to the main body 4. The body formation pipe 8 is made of a synthetic resin or a rubber having elasticity, and has an inner diameter of approximately 1.0mm to 2.5mm. The body formation pipe 8, which is inserted into the central portion of the main body 4, serves as a frame, thereby forming the real hair reception hole 7 and assisting the real hair reception hole 7 to be suitably shaped. Alternately, as shown in Fig. 4, the body formation pipe 8 is detached from the main body 4 after the formation of the main body 4.

The real hair connection loop 5 is obtained by winding a part of the body fixation thread 6 on the main body 4. Alternatively, the real hair connection loop 5 may be obtained by winding another thread rather than the body fixation thread 6 on the main body 4. User's real hair is tied to the real hair connection loop 5 such that the real hair is not untied from the real hair connection loop 5, and then the real hair connection loop 5 having the real hair tied thereto is inserted into the real hair reception hole 7 of the main body 4. If necessary, as shown in Fig. 3, two real hair connection loops 5 and 5' are formed on the main body 4, thereby causing ornamental hairpiece 1 to be more firmly connected to the user's real hair.

Hereinafter, a process for manufacturing the ornamental hairpiece 1 in accordance with the present invention will be described in detail.

As shown in Fig. 4, the wig unit 2 is formed by neatly arranging a plurality of strands made of one or more materials selected from the group consisting of human real hair, artificial hair, animal real fur and artificial fur, and cutting away upper ends of the strands to a designated length. The body formation pipe 8 having a comparatively short length is inserted into the central portion of the upper portion of the wig unit 2. The length of the body formation pipe 8 is the same as the length of the main body 4, which will be formed.

If necessary, the body formation pipe 8 may have a length longer than that of the main body 4.

Thereafter, the adhesive 9 is thinly applied to the outer circumference of the upper

portion of the wig unit 2 surrounding the body formation pipe 8 so that the strands at the wig unit 2 are fixed to each other. Here, the adhesive 9 is not applied to the body formation pipe 8 so that the body formation pipe 8 can be detached from the main body 4 after the formation of the real hair reception hole 7.

5 After the adhesive 9 is hardened, the body fixation thread 6 is densely wound on the outer surface of the upper portion of the wig unit 2 surrounding the body formation pipe 8, thereby firmly fixing the wig unit 2 and forming the main body 4.

10 When the main body 4 is formed by winding the body fixation thread 6 on the outer surface of the upper portion of the wig unit 2, the real hair connection loop 5 made of the body fixation thread 6 is formed on the upper portion of the wig unit 2. Here, the real hair connection loop 5 is formed integrally with the main body 4, thereby being firmly connected to the main body 4. The real hair connection loop 5 may be made of a fabric or a rubber.

15 If necessary, the real hair connection loop 5 is not made of the body fixation thread 6, but is made of an additional thread, which is wound on the outer surface of the upper portion of the wig unit 2.

20 After the formation of the real hair connection loop 5, the body formation pipe 8 is detached from the central portion of the main body 4, thereby forming the real hair reception hole 7. Then, the adhesive 9 is thinly applied again to the outer circumference of the main body 4 wound with the body fixation thread 6, and is then hardened, thus preventing the body fixation thread 6 from being unwound from the main body. Thereby, the ornamental hairpiece 1 of the present invention is manufactured.

If necessary, the body fixation pipe 8 is not detached from the central portion of the main body 4. In this case, the ornamental hairpiece 1 is used under the condition that the body fixation pipe 8 is fixedly attached to the main body 4 by means of the adhesive 9.

25 In case that the ornamental hairpiece 1 is connected to strands of user's real hair, as shown in Figs. 5A and 5B, the real hair is tied to the real hair connection loop 5 of the connection unit 3, and the real hair tied to the real hair connection loop 5 is inserted into the real hair reception hole 7. Thereby, a connection portion between the real hair and the ornamental hairpiece 1 is not easily exposed to the outside, and the connection therebetween is firmly achieved. Accordingly, the ornamental hairpiece 1 is used for a long period of time.

In case the ornamental hairpiece 1 of the present invention is removed from the user's real hair, the real hair connection loop 5 is pulled out of the real hair reception hole 7,

and then the real hair connection loop 5 is cut by a tool such as a pair of scissors, etc. Thereby, the ornamental hairpiece 1 is easily removed from the user's real hair.

As apparent from the above description, the present invention provides an ornamental hairpiece, for ornamental and aesthetic purposes, which is attached to human hair or animal fur such as that of a pet dog, and a method for manufacturing the same, thereby creating an inventive hair style without directly dyeing or perming the human hair or the animal fur.

The ornamental hair is easily and firmly connected to user's real hair, thus making a natural appearance.

Further, a connection portion between a wig unit of the ornamental hair and the user's real hair is not easily exposed to the outside and not easily damaged, thus allowing the ornamental hair attached to the user's real hair to be used for a long period of time.

Moreover, the ornamental hair, which is made of a thread or synthetic resin having elasticity without application of a hard material, does not press a user's scalp when a user sleeps or lies on his/her back side, thereby providing comfortableness to the user.

Although the preferred embodiments of the present invention have been disclosed for illustrative purposes, those skilled in the art will appreciate that various modifications, additions and substitutions are possible, without departing from the scope and spirit of the invention as disclosed in the accompanying claims.